Author index

Aasa, R., see Öblad, M. (975) 267
Adam, Z. and Malkin, R.
On the interaction between cytochrome *f* and plastocyanin (975) 158
Allison, W.S., see Bullough, D.A. (975) 377
Asso, M., see Dolla, A. (975) 395
Atanasov, B., see Maglova, L. (975) 271

Bader, K.P.
Alkylbenzyldimethylammonium chloride, a stabilizer of the S-state system in the filamentous cyanobacterium *Oscillatoria chalybea* (975) 399
Barber, J., see Miyazaki, A. (975) 142
Bertrand, P., see Dolla, A. (975) 395
Bogorad, L., see Vallon, O. (975) 132
Boutry, M., see Falson, P. (975) 119
Braslavsky, S.E., see Nitsch, C. (975) 88
Brune, D.C.
Sulfur oxidation by phototrophic bacteria (975) 189
Bruschi, M., see Dolla, A. (975) 395
Bullough, D.A., Ceccarelli, E.A., Roise, D. and Allison, W.S.
Inhibition of the bovine-heart mitochondrial F_1-ATPase by cationic dyes and amphipathic peptides (975) 377

Carpentier, R., Leblanc, R.M. and Mimeault, M.
Photoacoustic detection of photosynthetic energy storage in Photosystem II submembrane fractions (975) 370
Ceccarelli, E.A., see Bullough, D.A. (975) 377
Chan, C.K., Gaines, III, G.L., Fleming, G.R. and Mets, L.J.
Chlorophyll fluorescence lifetime studies of greening in yellow mutants of *Chlamydomonas reinhardtii*: assembly of the Photosystem I core complex (975) 59
Chance, B., see Powers, L. (975) 293
Choo, W.M., see Marzuki, S. (975) 222
Clay, V.J. and Ragan, C.I.
Biosynthesis and import into the mitochondrion of L-3-glycerophosphate dehydrogenase, and the effect of thyroid hormone deficiency on gene expression (975) 112
Cramer, W.A., see Vallon, O. (975) 132
Cusanovich, M.A., see Meyer, T.E. (975) 1

Denis-Pouxviel, C., see Gauthier, T. (975) 231
Di Pietro, A., see Falson, P. (975) 119
Dolla, A., Guerlesquin, F., Bruschi, M., Guigliarelli, B., Asso, M., Bertrand, P. and Gayda, J.-P.
Cytochrome c_3-ferredoxin I covalent complex: evidence for an intramolecular electron exchange in cytochrome c_3 (975) 395

Falson, P., Di Pietro, A., Jault, J.-M., Gautheron, D.C. and Boutry, M.
Purification from a yeast mutant of mitochondrial F_1 with modified β-subunit. High affinity for nucleotides and high negative cooperativity of ATPase activity (975) 119
Fleming, G.R., see Chan, C.K. (975) 59

Gaines, III, G.L., see Chan, C.K. (975) 59
Galloway, R. and Mets, L.
Positive selection for sensitivity of *Chlamydomonas reinhardtii* to Photosystem II-inhibiting herbicides (975) 66
Garab, G., see Matthijs, H.C.P. (975) 185
Garlaschi, F.M., see Jennings, R.C. (975) 29
Gautheron, D.C., see Falson, P. (975) 119
Gauthier, T., Denis-Pouxviel, C., Paris, H. and Murat, J.-C.
Study on ATP-generating system and related hexokinase activity in mitochondria isolated from undifferentiated or differentiated HT29 adenocarcinoma cells (975) 231
Gayda, J.-P., see Dolla, A. (975) 395
Gennis, R.B., see Meinhardt, S.W. (975) 175
Gounaris, K., see Miyazaki, A. (975) 142
Guérin, B., see Rigoulet, M. (975) 325
Guerlesquin, F., see Dolla, A. (975) 395
Guigliarelli, B., see Dolla, A. (975) 395

Hendler, R.W., see Westerhoff, H.V. (975) 361
Henrysson, T., see Sundby, C. (975) 277
Hervás, M., see Ortega, J.M. (975) 244
Hope, A.B. and Rich, P.R.
Proton uptake by the chloroplast cytochrome *bf* complex (975) 96
Hoyer-Hansen, G., see Vallon, O. (975) 132
Hsu, B.-D., Lee, Y.-S. and Jang, Y.-R.
A method for analysis of fluorescence induction curve from DCMU-poisoned chloroplasts (975) 44

Ivanov, I.I., see Semin, B.K. (975) 239

Jackson, J.B., see Jones, M.R. (975) 34
Jang, Y.-R., see Hsu, B.-D. (975) 44
Jault, J.-M., see Falson, P. (975) 119
Jennings, R.C., Zucchelli, G. and Garlaschi, F.M.
The influence of reducing the chlorophyll concentration by photobleaching on energy transfer to artificial traps within Photosystem II antenna systems (975) 29
Joliot, A., see Joliot, P. (975) 336
Joliot, A., see Joliot, P. (975) 355
Joliot, P. and Joliot, A.
Characterization of linear and quadratic electrochromic probes in *Chlorella sorokiniana* and *Chlamydomonas reinhardtii* (975) 355
Joliot, P., Verméglio, A. and Joliot, A.
Evidence for supercomplexes between reaction centers, cytochrome c_2 and cytochrome bc_1 complex in *Rhodobacter sphaeroides* whole cells (975) 336
Joliot, P., see Lavergne, J. (975) 346
Jones, M.R. and Jackson, J.B.
Proton release by the quinol oxidase site of the cytochrome b/c_1 complex following single turnover flash excitation of intact cells of *Rhodobacter capsulatus* (975) 34
Juretić, D., see Westerhoff, H.V. (975) 361

Keszthelyi, L., see Maglova, L. (975) 271
Komuniecki, R., McCrury, J., Thissen, J. and Rubin, N.
Electron-transfer flavoprotein from anaerobic *Ascaris suum* mitochondria and its role in NADH-dependent 2-methyl branched-chain enoyl-CoA reduction (975) 127
Kriedemann, P.E., see Porra, R.J. (975) 384

Larsson, U.K., see Sundby, C. (975) 277
Lavergne, J., Joliot, P. and Verméglio, A.
Partial equilibration of photosynthetic electron carriers under weak illumination: a theoretical and experimental study (975) 346

Leblanc, R.M., see Carpentier, R. (975) 370
Lee, Y.-S., see Hsu, B.-D. (975) 44
Leverve, X., see Rigoulet, M. (975) 325
Losada, M., see Ortega, J.M. (975) 244
Lund, P. and Wiggins, D.
Chelating agents and rat liver mitochondria (975) 330

Maglova, L., Atanasov, B. and Keszthelyi, L.
Unfolding of monomeric bacteriorhodopsin in water-urea solution (975) 271
Malkin, R., see Adam, Z. (975) 158
Malmström, B., see Öblad, M. (975) 267
Malmström, B.G., see Öblad, M. (975) 267
Marzuki, S., Watkins, L.C. and Choo, W.M.
Mitochondrial H^+-ATPase in mutants of *Saccharomyces cerevisiae* with defective subunit 8 of the enzyme complex (975) 222
Mathai, J.C., see Sitaramam, V. (975) 252
Matthijs, H.C.P., Van der Staay, G.W.M., Van Amerongen, H., Van Grondelle, R. and Garab, G.
Structural organization of chlorophyll *b* in the prochlorophyte *Prochlorothrix hollandica* (975) 185
Matthijs, H.C.P., see Van der Staay, G.W.M. (975) 317
McCrury, J., see Komuniecki, R. (975) 127
Meinhardt, S.W., Gennis, R.B. and Ohnishi, T.
EPR studies of the cytochrome-*d* complex of *Escherichia coli* (975) 175
Mets, L., see Galloway, R. (975) 66
Mets, L.J., see Chan, C.K. (975) 59
Meyer, R. and Pistorius, E.K.
Partial characterization of an arginine-metabolizing enzyme from the thermophilic cyanobacterium *Synechococcus* sp. (975) 80
Meyer, T.E. and Cusanovich, M.A.
Structure, function and distribution of soluble bacterial redox proteins (975) 1
Milgrom, Y.M. and Murataliev, M.B.
Interaction of nucleotide-depleted F_1-ATPase with ADP. Characterization of a high-affinity binding site responsible for ADP-induced inhibition (975) 50
Mimeault, M., see Carpentier, R. (975) 370
Mimuro, M., see Shimada, K. (975) 72
Miyazaki, A., Shina, T., Toyoshima, Y., Gounaris, K. and Barber, J.
Stoichiometry of cytochrome *b*-559 in Photosystem II (975) 142
Mur, L.R., see Van der Staay, G.W.M. (975) 317
Murat, J.-C., see Gauthier, T. (975) 231
Murataliev, M.B., see Milgrom, Y.M. (975) 50

Nitsch, C., Schatz, G.H. and Braslavsky, S.E.
Laser-induced optoacoustic calorimetry of primary processes in cells of *Rhodospirillum rubrum* (975) 88

Öblad, M., Selin, E., Malmström, B., Strid, L., Aasa, R. and Malmström, B.G.
Analytical characterization of cytochrome oxidase preparations with regard to metal and phospholipid contents, peptide composition and catalytic activity (975) 267
Ohnishi, T., see Meinhardt, S.W. (975) 175
Ohnishi, T., see Powers, L. (975) 293
Ortega, J.M., Hervás, M. and Losada, M.
Location of cytochrome *b*-559 between Photosystem II and Photosystem I in noncyclic electron transport (975) 244
Ouhabi, R., see Rigoulet, M. (975) 325

Paris, H., see Gauthier, T. (975) 231
Pistorius, E.K., see Meyer, R. (975) 80
Porra, R.J., Thompson, W.A. and Kriedemann, P.E.
Determination of accurate extinction coefficients and simultaneous equations for assaying chlorophylls *a* and *b* extracted with four different solvents: verification of the concentration of chlorophyll standards by atomic absorption spectroscopy (975) 384
Powers, L., Schägger, H., Von Jagow, G., Smith, J., Chance, B. and Ohnishi, T.
EXAFS studies of the isolated bovine heart Rieske $[2Fe\text{-}2S]^{1+(1+,2+)}$ cluster (975) 293
Putod-Paramelle, F., see Rigoulet, M. (975) 325

Ragan, C.I., see Clay, V.J. (975) 112
Rawyler, A. and Siegenthaler, P.A.
Change in the molecular organization of monogalactosyldiacylglycerol between resting and functioning thylakoid membranes. Involvement of the CF_0/CF_1-ATP synthetase (975) 283
Rawyler, A., see Siegenthaler, P.-A. (975) 104
Rich, P.R., see Hope, A.B. (975) 96
Rigoulet, M., Ouhabi, R., Leverve, X., Putod-Paramelle, F. and Guérin, B.
Almitrine, a new kind of energy-transduction inhibitor acting on mitochondrial ATP synthase (975) 325
Roise, D., see Bullough, D.A. (975) 377
Rubin, A.B., see Semin, B.K. (975) 239
Rubin, N., see Komuniecki, R. (975) 127

Sambasivarao, D., see Sitaramam, V. (975) 252
Schägger, H., see Powers, L. (975) 293
Schatz, G.H., see Nitsch, C. (975) 88
Selin, E., see Öblad, M. (975) 267
Semin, B.K., Ivanov, I.I. and Rubin, A.B.
Effects of calcium-channel blockers and activator on electron transport in pea chloroplasts (975) 239
Shimada, K., Mimuro, M., Tamai, N. and Yamazaki, I.
Excitation energy transfer in *Rhodobacter sphaeroides* analyzed by the time-resolved fluorescence spectroscopy (975) 72
Shina, T., see Miyazaki, A. (975) 142
Siegenthaler, P.-A., Rawyler, A. and Smutny, J.
The phospholipid population which sustains the uncoupled noncyclic electron flow activity is localized in the inner monolayer of the thylakoid membrane (975) 104
Siegenthaler, P.A., see Rawyler, A. (975) 283
Simpson, D., see Vallon, O. (975) 132
Simpson, D.J., Vallon, O. and Von Wettstein, D.
Freeze-fracture studies on barley plastid membranes. VIII. In *viridis*-115, a mutant completely lacking Photosystem II, oxygen evolution enhancer 1 (OEE1) and the *α*-subunit of cytochrome *b*-559 accumulate in appressed thylakoids (975) 164
Sitaramam, V., Sambasivarao, D. and Mathai, J.C.
Differential effects of osmotic pressure on mitochondrial respiratory chain and indices of oxidative phosphorylation (975) 252
Slooten, L. and Vandenbranden, S.
Isolation of the proton-translocating F_0F_1-ATPase from *Rhodospirillum rubrum* chromatophores, and its functional reconstitution into proteoliposomes (975) 148
Smith, J., see Powers, L. (975) 293
Smutny, J., see Siegenthaler, P.-A. (975) 104
Strid, L., see Öblad, M. (975) 267
Sundby, C., Larsson, U.K. and Henrysson, T.
Effects of bicarbonate on thylakoid protein phosphorylation (975) 277

Tae, G.-S., see Vallon, O. (975) 132
Tamai, N., see Shimada, K. (975) 72
Thissen, J., see Komuniecki, R. (975) 127
Thompson, W.A., see Porra, R.J. (975) 384
Toyoshima, Y., see Miyazaki, A. (975) 142

Vallon, O., Tae, G.-S., Cramer, W.A., Simpson, D., Hoyer-Hansen, G. and Bogorad, L.
Visualization of antibody binding to the photosynthetic membrane: the transmembrane orientation of cytochrome *b*-559 (975) 132

Vallon, O., see Simpson, D.J. (975) 164
Van Amerongen, H., see Matthijs, H.C.P. (975) 185
Vandenbranden, S., see Slooten, L. (975) 148
Van der Staay, G.W.M., Matthijs, H.C.P. and Mur, L.R.
Phosphorylation and dephosphorylation of membrane proteins from the prochlorophyte *Prochlorothrix hollandica* in fixed redox states (975) 317
Van der Staay, G.W.M., see Matthijs, H.C.P. (975) 185
Van Grondelle, R., see Matthijs, H.C.P. (975) 185
Verméglio, A., see Joliot, P. (975) 336
Verméglio, A., see Lavergne, J. (975) 346
Von Jagow, G., see Powers, L. (975) 293
Von Wettstein, D., see Simpson, D.J. (975) 164

Watkins, L.C., see Marzuki, S. (975) 222
Westerhoff, H.V., Hendler, R.W., Zasloff, M. and Juretić, D.
Interactions between a new class of eukaryotic antimicrobial agents and isolated rat liver mitochondria (975) 361
Wiggins, D., see Lund, P. (975) 330

Yamazaki, I., see Shimada, K. (975) 72

Zannoni, D.
The respiratory chains of pathogenic pseudomonads (975) 299
Zasloff, M., see Westerhoff, H.V. (975) 361
Zucchelli, G., see Jennings, R.C. (975) 29